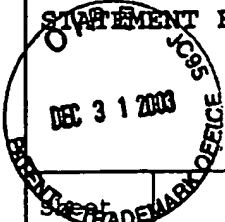


Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT 	Application Number		10/678,193		
	Filing Date		October 2, 2003		
	First Named Inventor		Takayuki YAMAZAKI		
	Group Art Unit		1614 - 1623		
	Examiner Name				
1	of	2	Attorney Docket Number		01501CIPD/HG

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Exam. Initls ^a	Cite No ^b	Document Number	Kind Code ^c	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion

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Exam. Initls ^a	Cite No ^b	Offc ^c	Document Number ^d	Kind Code ^e	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ^f
<i>file</i>	BO	JP	9-268198	A		10-14-1997		

Examiner Signature	L. E. Crane <i>LE Crane</i>	Date Considered	12/09/2005
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^a EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

^b Unique citation designation number. ^c See kinds of U.S. Patent Documents. ^d Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ^e For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ^f Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ^g Place a check here if English translation is attached.

DATE MAILED: December 29, 2003



Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT 		Application Number	10/678,193	
		Filing Date	October 2, 2003	
		First Named Inventor	Takayuki YAMAZAKI	
		Group Art Unit	1623	
		Examiner Name		
Sheet 2	of 2	Attorney Docket Number	01501CIPD/HG	
OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS				
Examiner Initials ¹	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published		T ²
<i>He</i>	BV	Akio OGAWA et al., Sulfated Glycoglycerolipid from Archaeobacterium Inhibits Eukaryotic DNA Polymerase α , β and Retroviral Reverse Transcriptase and Affects Methyl Methanesulfonate Cytotoxicity", <u>International Journal of Cancer</u> , 76, 512-518 (1998).		
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<i>He</i>	BX	Bernd MEYER et al., Syntheses of Benzyl 6-O-Sulfo- β -D-glucopyranoside Salts and Their 6S-Deuterated Analogues. Conformational Preferences of Their (Sulfonyloxy)methyl Group", <u>Journal of Organic Chemistry</u> , 55, 902-906 (1990).		
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*partial English-language translation enclosed

** Duplicate citation: see PTO-892 for original citations.

Form PTO-892 U.S. Department of Commerce	Serial Number 10/678,193	Group Art Unit 1623	Attachment to Paper Number 12092005	
Notice of References Cited	APPLICANT(S)			
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*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	Filing Date If Appropriate
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*	P2	2002/0052327 A1	05/02/02	Yamazaki et al. (II)	514	025.000	
*	P3	2002/0028776 A1	03/07/02	Yamazaki et al. (III)	514	023.000	

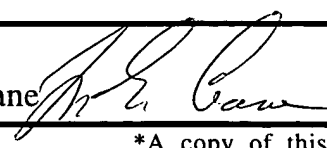
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*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	Filing Date If Appropriate
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*	C	5,783,693 A	07/21/98	Bertozzi et al. ^{††}	536	124.000	
*	D	6,395,886 B1	05/28/02	Yamazaki et al. (IV) ^{††}	536	004.100	
*	E	6,444,795 B1	09/03/02	Yamazaki et al. (V) ^{††}	536	004.100	
*	F	6,518,248 B1	02/11/03	Yamazaki et al. (VI)	514	025.000	
*	G	6,518,410 B1	02/11/03	Yamazaki et al. (VII)	536	004.100	
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*	N	JP03-246,203 A	11/01/91	Japan (JPO) ^{††}	Nakanishi, M. (I)	-----	-----		
*	O	JP03-052,815 A	03/07/91	Japan (JPO) ^{††}	Eisai Co., Ltd. (I)	-----	-----		
*	P	JP03-052,816 A	03/07/91	Japan (JPO) ^{††}	Eisai Co., Ltd. (II)	-----	-----		

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Form PTO-892 U.S. Department of Commerce	Serial Number 10/678,193	Group Art Unit 1623	Attachment to Paper Number 12092005	
Notice of References Cited	APPLICANT(S)			
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*	LA	JP11-106,395 A	04/20/99	Japan (JPO) ^{††}	Toyo Suisan Kaisha	-----	-----		

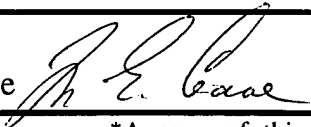
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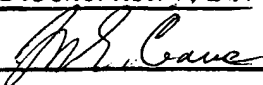
Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number		Inv. of SN 09/934,874)	
				Filing Date		Concomitantly Herewith	
				First Named Inventor		Takayuki YAMAZAKI	
				Group Art Unit		1623	
				Examiner Name			
Sheet	6	of	7	Attorney Docket Number		01501CIPD/HG	
OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published					T ²
**		~~Kitagawa et al.~~ "Sulfolipid from the Sea Urchin <i>Anthocidaris vrassispina</i> A. Agassiz." <i>Chemical & Pharmaceutical Bulletin</i> , 27(8), 1934-1937 (August, 1979).					
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**		~~Amarquaye et al.~~ "A New Glycolipid from <i>Byrsonima crassifolia</i> ," <i>Planta Medica</i> , 60(1), 85-86 (February, 1994).					
Examiner Signature		L. E. Crane 		Date Considered		12/09/2005	

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** Duplicate citation: see PTO-892 for original citation.

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number		(Div. of SN 09/934,874)	
				Filing Date		Concomitantly Herewith	
				First Named Inventor		Takayuki YAMAZAKI	
				Group Art Unit		1623	
				Examiner Name			
Sheet	7	of	7	Attorney Docket Number		01501CIPD/HG	
OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published					T ²
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**		~~Vishwanath et al., "Interaction of Plant Lipids with 14 kDa Phospholipase A₂ Enzymes," <i>Biochemical Journal</i>, 320(1), 93-99 (November 15, 1996).~~					
**		~~Golik et al., "Isolation and Structure Determination of Sulfonoquinovosyl Dipalmitoyl Glyceride, a P-Selectin Receptor Inhibitor from the Alga <i>Dicryochloris Fragens</i>," <i>Journal of Natural Products</i>, 60(4), 387-389 (April, 1997).~~					
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Examiner Signature	L. E. Crane 		Date Considered	12/09/2005			

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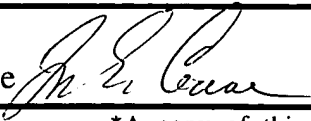
Form PTO-892 U.S. Department of Commerce	Serial Number 10/678,193	Group Art Unit 1623	Attachment to Paper Number 12092005	
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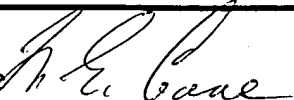
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*	ZA†	Kim et al., "Structural Identification of Glycerolipid Molecular Species Isolated from Cyanobacterium <i>Synechocytis</i> sp. PCC 6803 Using Fast Atom Bombardment Tandem Mass Spectrometry," <i>Analytical Biochemistry</i> , 267, 260-270 (1999).††

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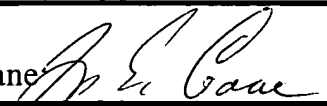
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Other References (Including Author, Title, Date, Pertinent Pages, etc.)

* RB	Mizushina et al., "Search and Structural Identification of Inhibitory Substance on DNA Polymerase of Higher Organisms," published in <u>A Collection of Summaries of Lectures at Convention of Natural Organic Compounds</u> , published by Prof. K. Sakai (Kyushu University) and the Organizing Committee of the 40th Symposium on the Chemistry of Natural Products, Fukuoka, Japan, August 31, 1998, only pages 493-498 supplied.††
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EXAMINER L. E. Crane 	DATE 12/08/05	page 5 of 5 ¥: Reference not presently available.
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Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	(Div. Appl. of SN 09/934,874) 10/678,139
				Filing Date	Concomitantly Herewith
				First Named Inventor	Takayuki YAMAZAKI
				Group Art Unit	1623
				Examiner Name	
Sheet	1	of	7	Attorney Docket Number	01501CIPD/HG

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Examiner Signature	L. E. Crane <i>LE Crane</i>	Date Considered	12/09/2005
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*ENGLISH LANGUAGE ABSTRACT OF RECORD

** Duplicate citation: see PTO-892 for original citation.

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number		(Div. Appl. of SN 09/934,874) 10768,139
				Filing Date		Concomitantly Herewith
				First Named Inventor		Takayuki YAMAZAKI
				Group Art Unit		1623
				Examiner Name		
Sheet	2	of	7	Attorney Docket Number		01501CPD/HG

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Examiner
SignatureL. E. Crane *L. E. Crane*

Date

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12/09/2005

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*ENGLISH LANGUAGE ABSTRACT OF RECORD

** Duplicate citation: see PTO-892 for original citation.

Inc.: incomplete citation. Applicant is respectfully requested to supply patentee or applicant name.

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	(Div. Appl. of SN 09/934,874) 10/678,139
				Filing Date	Concomitantly Herewith
				First Named Inventor	Takayuki YAMAZAKI
				Group Art Unit	1623
				Examiner Name	
Sheet	3	of	7	Attorney Docket Number	01501CIPD/HG
OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
<i>JTC</i>	AR	BYENG WHA SON; "Glycolipids from Gracilaria verrucosa", Phytochemistry, Vol. 29, No. 1, 1990; pp. 307-309.			
	AS	SHIRAHASHI HIDEAKI et al.; "Isolation and Identification of Anti-tumor-Promoting Principles from the Fresh-Water Cyanobacterium Phormidium tenue", Chem. Pharm. Bull., Vol. 41, No. 9, (1993) pp. 1664-1666. (Sept., 1993)			
	AT	MORIMOTO, TAKASHI et al.; "Studies on Glycolipids. VII. Isolation of Two New Sulfoquinovosyl Diacylglycerols from the Green Alga Chlorella vulgaris", Chem. Pharm. Bull. Vol. 41, No. 9, 1993; pp. 1545-1548. (Sept., 1993)			
	AW	MICHAEL KEUSGEN et al.; "Sulfoquinovosyl Diacylglycerols from the Alga Heterosigma carterense", Lipids, Vol. 32, No. 10; 1997; pp. 1101-1102.			
	AV	LUCA RASTRELLI et al.; "Glycolipids from Byrsonima crassifolia"; Phytochemistry, Vol. 45, No. 4, 1997; pp. 647-650.			
<i>JTC</i>	AW	SAHARA, H. et al.; "In vivo anti-tumour effect of 3'-sulfoquinovosyl-1'-monoacylglyceride isolated from sea urchin (Strongylocentrotus intermedius) intestine"; British Journal of Cancer, Vol. 75, No. 3, 1997; pp. 324-332.			
Inc.	AX	MIZUSHINA, YOSHIYUKI et al.; "Studies on Inhibitors of Mammalian DNA Polymerase α and β ", Vol. 55; 1998; pp. 537-541.			
<i>JTC</i>	AY	OHTA, KEISUKE et al.; "Sulfoquinovosyldiacylglycerol, KM043, a New Potent Inhibitor of Eukaryotic DNA Polymerases and HIV-Reverse Transcriptase Type 1 from Marine Red Alga, Gigartina tenella"; Chem. Pharm. Bull., Vol. 46, No. 4; 1998; pp. 684-686. (Apr., 1998)			
<i>JTC</i>	AZ	S. KASHIMA et al.; "A Study of Polymerase Inhibitors of Higher Plants", Nippon Nogeikagaku Kaisha, Vol. 72, March 5, 1998, p. 82.			
Examiner Signature	L. E. Crane <i>JTC Crane</i>			Date Considered	12/09/2005

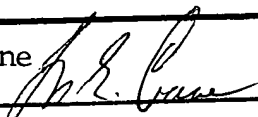
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Inc.: Incomplete citation; applicant is requested to supply the journal title.



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			Filing Date		Concomitantly Herewith	
			First Named Inventor		Takayuki YAMAZAKI	
			Group Art Unit		1623	
			Examiner Name			
Sheet	5	of	7	Attorney Docket Number		01501CIPD/HG
OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published				T ²
**		~~Thiem et al., "Synthesen von Methyl 4-O-(3-D-erythroacetyl)-α-D-curamicosid, dem Glycosid der Disaccharideinheit E-F von Flambamycin und Isomeren,"~~ <i>Justus Liebig's Annalen der Chemie</i> , 1987(4), 289-295 (April, 1987).				
**		~~Fujimaki et al., "Conversion of 1, 6-Anhydromaltose into Pseudodisaccharides Containing Aminocyclitols as Constituent,"~~ <i>Agricultural & Biological Chemistry</i> , 44(9), 2055-2059 (Sept., 1980).				
**		~~Tulloch et al., "Combination and Positional Distribution of Fatty Acids in Plant Sulfolipids,"~~ <i>Hoppe-Seyler's Zeitschrift Physiol. Chem.</i> , 354, 879-889 (August, 1973).				
**		~~Fusetani et al., "Structures of Two Water Soluble Hemolysins Isolated from the Green Alga <i>Ulva pertusa</i>,"~~ <i>Agricultural and Biological Chemistry</i> , 39(10), 2021-2025 (Oct., 1975).				
Examiner Signature		L. E. Crane 		Date Considered	12/09/2005	

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		First Named Inventor		Takayuki YAMAZAKI	
		Group Art Unit		1623	
		Examiner Name			
Sheet	4	of	7	Attorney Docket Number	01501CIPD/HG

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<i>gle</i>	BR	Yoshiyuki MIZUSHINA, Shonen YOSHIDA, Akio MATSUKAGE and Kengo SAKAGUCHI, "The Inhibiting Action of Fatty Acids on DNA Polymerase β ", <u>Biochimica et Biophysica Acta</u> , 1336, (1997), 509-521.		
	BS	Dana M. GORDON et al., "Synthesis of a Cyanobacterial Sulfolipid: Confirmation of Its Structure, Stereochemistry, and Anti-HIV-1 Activity", <u>J. Amer. Chem. Soc.</u> , 114, 659-663 (1992).		
	BT	Roy GIGG et al., "Synthesis of 3-O-(6-Deoxy-6-sulpho- α -D-glucopyranosyl)-1,2-di-O-hexadecanoyl-L-glycerol, 'Sulphoquinovosyl Diglyceride'", <u>Journal of the Chemical Society Perkin Transaction I</u> , 2490-2493 (1980).		
<i>gle</i>	BU	*Pham Quang Liem et al., "Structures, teneurs et compositions des esters sulfuriques, sulfoniques, phosphoriques des glycosyldiglycerides de trois fucasees", <u>Biochimie</u> , 58, 1367-1380 (1976).		
**		~~Peer et al., "Synthesis of an L-Fucose-Derived Cyclic Nitron and its Conversion to α-L-Fucosidase Inhibitors,"~~ <u>Helvetica Chimica Acta</u> , 82(7), 1044-1065 (July 7, 1999).		
**		~~Sanders et al., "Synthesis of Sulfated Trisaccharide Ligands for the Selectins,"~~ <u>Tetrahedron</u> , 53(48), 16391-16422 (December 1, 1997).		
**		~~Arasappan et al., "Regiospecific 1, 6-Functionalization of Pyranosides via Dimethylboron Bromide-Mediated Cleavage of Phthalide Orthoesters,"~~ <u>J. American Chemical Society</u> , 117(1), 177-183 (January 11, 1995).		
Examiner Signature	L. E. Crane <i>L. E. Crane</i>		Date Considered	12/09/2005

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*includes an English-language summary

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